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US Army Corps  
of Engineers  
Seattle District

## REFERENCE BIOLOGICAL EVALUATION SPECIFIC PROJECT INFORMATION FORM

For Replacement of up to Eighteen (18) Existing Piling  
Version: April 21, 2004



1. **Referenced Biological Evaluation:** Programmatic Biological Evaluation, Replacement of up to Eighteen Existing Piling in: Programmatic Biological Evaluation for the State of Washington for Salmonid Species Listed or Proposed by the National Marine Fisheries Service and U.S. Fish and Wildlife Service Under the Endangered Species Act. October 13, 2000. U.S. Army Corps of Engineers, Seattle District, Regulatory Branch.

USFWS Programmatic Reference Number: 1-3-00-I-1524 & 1-3-00-IC-1525

NMFS Programmatic Reference Number: WSB-00-582

2. **Date:** May 4, 2004

3. **Applicant:** Ash Grove Cement Company **Corps Reference No.:** \_\_\_\_\_

**Address:** 3801 E Marginal Way South

**City:** Seattle **State:** WA **Zip:** 98134-1147

4. **Agent:** Spearman Engineering, PS

**Address:** P.O. Box 230

**City:** Bremerton **State:** WA **Zip:** 98337

5. **Location(s) of Activity:**

**Section:** NE 18 **Township:** 24N **Range:** 4E

**Latitude:** 47°34'6.8" **Longitude:** 122°20'44.4"

**Waterbody:** Duwamish Waterway; Duwamish River **County:** King

6. **Threatened or Endangered Species Present (both listed and proposed):**

<u>Species</u>	<u>Distance to Occurrence (i.e. to nest, perch tree)</u>	<u>Effect Determination (no effect or not likely to adversely affect)</u>
<u>Puget Sound Chinook Salmon</u>		<u>NLAA</u>
<u>Coastal-Puget Sound bull trout</u>		<u>NLAA</u>
<u>Bald Eagle</u>		<u>NLAA</u>

7. **Work Description** – Describe how many piling would be repaired and how many would be replaced. Give the diameter, composition and treatment of the piling (e.g., 10" diameter untreated wooden piling). The marine moorage facilities have been damaged by a barge in the transport of raw materials. It is proposed to replace one creosote treated structural piling, broken off at the mudline at time of incident, with one vibratory hammer driven approx. 12" diameter steel pipe piling.

<sup>1</sup> For construction description and effects analysis.

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8. **Construction Techniques** – Describe how piling would be removed, replaced or repaired: \_\_\_\_\_

Please see attached BMPs for complete description of required construction procedures.

Pile driver type (e.g., vibratory or impact hammer, maximum rated energy, strokes per minute, etc.):

Vibratory hammer shall be used for pile driving.

Pile driver type (e.g., vibratory or impact hammer, maximum rated energy, strokes per minute, etc.):

For vibratory installation, will an impact hammer be required to achieve embedment or for proofing?

For what duration of time will an impact hammer be used? No

Describe any sound attenuation measures that will be employed: \_\_\_\_\_

Substrate into which piling will be installed: Duwamish silt and sand

Water depth into which piling will be installed: MLLW -21 ft

9. **Why Doesn't the Programmatic Consultation for "Piling Replacement" Apply?** \_\_\_\_\_

The project is located in, or adjacent to, the Lower Duwamish Super Fund Site.

10. **Why is the Project "Not Likely to Adversely Affect" Without Meeting all the Conservation Measures or Parameters of the Programmatic Consultation** (include Justification/Effects Analysis in addendum if needed). \_\_\_\_\_ Specific BMPs have been developed to control turbidity and sediments reentering the water column during construction. BMPs are attached.

11. **Conservation Measures to be Implemented** (check all that apply and will be done):

☒ Work is done in approved work window.

☐ No work will be done in or within 300 feet of an existing or previously designated Superfund Clean-up sites or a site currently or previously designated for cleanup under the Washington State Model Toxic Cleanup Act.

- ☒ For all treated piling that are fully extracted or cut 2-feet below the mudline, the holes or cut piling will be capped with appropriate material (such as clean sand, or plastic or steel pile cap for cut piling) to ensure that the chemicals from the existing pile do not leach into the adjacent sediments or water column. If fill (i.e. clean sand) is used to cap the area, the fill material should match sediment substrate of the site.
- ☒ Existing piling will be partially cut with a new pile secured directly on top, fully extracted, or cut 2-feet below the mudline.
- ☒ Piling will be replaced in the same general location and do not extend beyond the footprint of the existing structure (i.e. pier).
- ☒ If a barge is used, the barge does not ground out and the barge will not be over or within 300 feet of vegetated shallows (except where such vegetation is limited to State designated noxious weeds).
- ☒ No piles are associated with log raft booms.
- ☒ No sheet piling will be used in lieu of pole piling.
- ☒ All removed creosote treated piling will be cut into maximum lengths of 4 feet prior to disposal.
- ☒ Hydraulic water jets will not be used to remove or place piling

In Fresh Waters, including the Columbia River Mainstem, the Snake River and Baker Bay:

- ☒ Only non-treated piling are used.

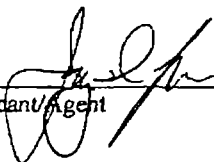
In Marine/Estuarine Waters excluding Baker Bay:

- ☒ Use of vibratory pile drivers is prohibited where the piling is located in or within 300 feet of eelgrass beds.
- ☒ No piling treated with creosote or pentachlorophenol will be used.

12. Types of Permit(s) Proposed to be Used: Nation Wide

13. Drawings - Attach copies of location, plan, and elevation/section drawings. Photographs of site recommended, but are optional.

I as the applicant or designated agent have read all the activity and waterway specific conditions and the general implementation conditions for the "Not Likely to Adversely Affect" Programmatic Consultation, dated May 30, 2001. I understand that informal consultation with National Marine Fisheries Service and U.S. Fish and Wildlife Service is initiated with this form. I will not proceed with construction until I receive written notification from the U.S. Army Corps of Engineers that the proposed work is authorized.

  
Applicant/Agent

5/7/06  
Date

Below to be completed by the Corps

#### MEMORANDUM FOR THE SERVICES:

1. Summary of Why Work Does Not Meet NLAA Programmatic Consultation.

\_\_\_\_\_

\_\_\_\_\_

2. Summary of How the Applicant Will Minimize Impacts.

3. Summary of Impacts on Essential Fish Habitat.

4. Forage Fish Habitat (check box if WDFW documented habitat is present):

Surf Smelt: ☐

Allowable Work Window:

Pacific Herring: ☐

Allowable Work Window:

Sand Lance: ☐

Allowable Work Window:

Approved Work Window (see the US Army Corps of Engineers website,  
[http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=REG&pagename=mainpage\\_ESA](http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=REG&pagename=mainpage_ESA)):

to

5. The Corps has determined that this project may affect, \_\_\_\_\_ the listed species.

Corps Project Manager

Date

Corps Environmental Analyst/ESA Coordinator

Date